

MONSANTO

From: G.A. Grundmann CS6G Corporate Engineering (4-6112)

Date: October 4, 1985

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Subj: Project Progress Meetings

Re: CEA 3808 - Main South Trunk Sewer

TO: J.J. Beckerle Alberici*
W. Bodine Alberici
T.N. Carrico 1740*
W.C. Koester Alberici
K.W. Lichtenheld CS6G*
C.J. Lotz Alberici*
R.L. Nelson 1740*
K.W. Petterson 1740*
R.C. Martini 1740*
O.N. Shipley 1740
R. Schlereth Fleischer Seeger
R.B. Knoll Fleischer Seeger

*Present at meeting

Following are minutes of the meeting held at the CED construction trailers on 10/3/85 at 9:30 a.m.

1. Construction Progress

- a. The final passes are being made today on the 42" VCP joints between manholes 2-BB and 2-CC.
 - b. The 11 joints between manholes 2-AA and 2-BB all passed the hydro test.
 - c. The 15" VCP had been laid in the trench between manholes 2-AA and 2-EE. Joint work will start today. (Lateral L-64)
 - d. Manhole 2-EE walls poured and stripped.
 - e. The concrete base has been completed to manhole 2-CC.
 - f. A large portion of the concrete encasement between manholes 2-BB and 2-CC has been completed. Will strip 10/7.
 - g. Piling is being pulled between 1-EE and 2-AA. The piling between manholes 2-BB and 2-CC will be pulled next.
- Started driving piling between 2-DD and 3-AA.

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- h. Backfilling between manholes 1-EE and 2-AA. Fabric and 9" of stone are being placed on top.
- i. Backfill completed around manhole 1-GG.
- j. Lateral L-34 has been completed. Backfilling is almost complete.
- k. Sample lines installed in manholes 1-CC and 1-GG.
- l. The #8 and #33 tracks east of manhole 1-EE have been reinstalled. The crossing plates will be installed by Friday. This work should allow not only rail traffic, but also vehicle traffic down "H" street.

2. Internal Manhole Work

- a. Manhole 1-AA. Brickwork complete. Pinholes have been identified and need to be repaired.
- b. Manhole 1-BB. Brickwork has started.
- c. Manhole 1-CC. The mesh cloth is being installed over the first furan membrane.
- d. Manhole 1-GG. Primed on 10/2.
- e. Lotz to discuss the following concerns with Fleischer Seeger who were not present at the meeting.
 - 1) The brickwork on the flume in manhole 1-AA is not smooth in some areas. This lack of smoothness could distort the water flow readings.
 - 2) In some instances half of a half brick is being used on the wall installation. The specification calls for not less than one-half a brick.
 - 3) Fleischer Seeger is wet cutting the bricks and not installing them in a dry condition as required by the specifications. They are to review the options for insuring that the brick is dry during installation.

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- f. The heaters that Fleischer Seeger uses draw more current than is available from Alberici's cart system. Options to be reviewed. Propane heaters are not acceptable (open flame).
- g. The question was raised as to whether it might be advisable to cover the 42" pipe openings while working in the manholes. This would minimize the possibility of any fumes getting into the manholes. Nelson to review subject with plant safety.
- h. The comment was made that new bricklayers need to be briefed on our requirements such as double buttering of each brick, etc.

3. Jumper T-3

- a. Alberici has ordered the fittings.
- b. Start of the jumper work during the 3rd week in October will eventually conflict with a turnaround in this area during the weeks of 10/21 and 10/28. To get around this restriction, installation of the jumper may be started from the west. Nelson to determine the time period when the crane will actually be used on 4th Street.
- c. Furan may be used in place of Tufchem on the pipe joints, if desired by Alberici. There will be no additional cost.
- d. Lichtenheld to issue final updated drawing for this jumper showing all cleanouts, etc.
- e. Procedures for tying into manholes 4C and 33B are being written. Petterson, Lichtenheld and Nelson.
- f. Lichtenheld studying plug options and ways to pump the excess flow during heavy rainstorms.

4. Dept. 245

- a. Removal of 4" water line is proving difficult due to existing shutoff valves which have failed. Excavation of the trench for the culvert pipe will begin as soon as this line is removed.

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- b. The 16" water line has been removed.
- c. It has been possible to remove track #3 to allow the culvert installation since track #8 east of ACL is being reinstalled. Track #4 has also been removed.
- d. A CFO has been issued covering the culvert pipe installation work.

5. ACL Shutdown

- a. Procedures for tie-in to existing manholes 1-JJ and 1-D-1 are in progress. Petterson to obtain elevation information and Lichtenheld will complete.
- b. A CFO has been issued to cover this 15" section of VCP.

6. VCP Joints

- a. Discussions were held over the amount of curing time required prior to hydro testing. Lichtenheld and Nelson to review the subject.
- b. Alberici to furnish for approval a procedure for repairing the L-35 lateral pipes. The gap between the pipes needs to be addressed in this procedure.
- c. Since the hot summer temperatures which caused the exotherm problems should be gone, it will be acceptable to go back to a 2-pass joint installation procedure.

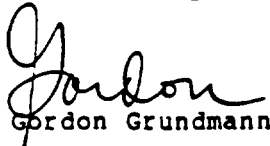
7. Miscellaneous

- a. Quick met with Laidlaw on 10/3/85 to discuss dirt removal. If all conditions are satisfied with the state, it may be possible to get rid of some dirt.
- b. Alberici to check to insure that Dickey will send the hydro certificates for the VCP.
- c. Procedures for manholes 1-DD and 2-CC have been issued for review. Nelson has completed review. Lichtenheld will review now prior to issue.

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- d. Alberici has ordered materials for fluming manhole 2-CC. A CFO needs to be issued. A review of Alberici's estimate will be made by Martini and Ferrario.
- e. Petterson is working with Lowry to insure that Alberici will have sufficient electrical power for heaters, etc.
- f. Lichtenheld reviewing 3 options to resolve the manhole 2-FF situation. Petterson to furnish invert information.
- g. The acceptable repair method for the hairline crack in manhole 1-EE is pressure injection of epoxy. Alberici is assembling data on this method for review by Lichtenheld and Nelson.
- h. Crain to furnish information on the electrical power supply to the sample house by 10/11/85.
- i. Alberici commented that only a couple of days would be required to drive the piling between the culvert pipe north of dept. 245 and manhole 3-BB. This would mean minimal interruption to the department when this work was done.
- j. Beckerle mentioned that on October 4 a year ago Alberici moved onto the site to start the sewer project.

The next progress meeting will be held on Thursday, October 10 at 9:30 a.m. at the construction trailers. All Monsanto personnel are to meet prior to this meeting at 9 a.m.


Gordon Grundmann

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